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Date: 2/13/2005

Time: 07:27:41

 **PALM INTRANET**

Inventor Information for 09/436164

Inventor Name	City	State/Country
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BONGSO, ARIFFEEN	SINGAPORE	SINGAPORE

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Continuity Information for 10/090887

Parent Data

10090887

is a division of 09436164

Child Data

No Child Data

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Application Number Information

Application Number: **09/436164** Order
This File from PUBS Assignments

Examiner Number: **77509 / WOITACH, JOSEPH**

Filing Date: **11/09/1999**

Group Art Unit: **1632**

IFW IMAGE

Effective Date: **11/09/1999**

Class/Subclass:

435/325.000

Application Received: **11/09/1999**

Lost Case: **NO**

Waiting for Response

Patent Number:

Interference Number:

Desc.

Issue Date: **00/00/0000**

Unmatched Petition: **NO**

Mail N/=.

Date of Abandonment: **00/00/0000**

L&R Code: Secrecy Code:1

Attorney Docket Number: **13164**

Third Level Review: **NO**

Secrecy Order: **NO**

Status: **94 /PUBLICATIONS -- ISSUE FEE PAID - NOT MATCHED WITH FILE**

Status Date: **02/04/2005**

Confirmation Number: **6220**

Oral Hearing: **NO**

Title of Invention: **EMBRYONIC STEM CELLS**

Bar Code	PALM Location	Location Date	Charge to Loc	Charge to Name	Employee Name	Location
09436164IW	7540	02/07/2005	No Charge to Location	No Charge to Name	POLLARD,PAUL	FMF/01/01

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Stem Cell Information

The official **National Institutes of Health** resource for stem cell research

Home ■ Research Topics ■ NIH Human Embryonic Stem Cell Registry

NIH Human Embryonic Stem Cell Registry

The NIH Human Embryonic Stem Cell Registry lists the derivations of stem cells that are eligible for federal funding. The purpose of the Registry is to provide investigators with:

- a unique NIH Code for each cell line that must be used when applying for NIH funding and
- contact information to facilitate investigators' acquisition of stem cells.

Providers with Lines Available for Shipping

BresaGen, Inc.

Cell Lines

NIH Code: **BG01, BG02, BG03, BG04***

Provider's Code: **hESBGN-01, hESBGN-02, hESBGN-03, hESBGN-04***

* The cells failed to expand into undifferentiated cell cultures.

BresaGen may have sublines available for shipping. Contact BresaGen for more information about sublines.

■ Table of Cell Characteristics

Contact Information

Allan Robins, Ph.D.
Senior Vice President and Chief Scientific Officer
BresaGen, Inc.
111 Riverbend Road
Athens, GA 30605
Phone: 706-613-9878 x.158
Fax: 706-613-9879
E-mail: ARobins@bresagen.com.au
Web site: <http://www.bresagen.com>

Memorandum of Understanding (27k PDF file; get Adobe Reader)
BresaGen 2004 hESC Methods Manual, v2.1 (600k PDF file; get Adobe Reader)

Cellartis AB

Cell Lines

NIH Code: **SA01, SA02, SA03***

Provider's Code: **Sahlgrenska 1, Sahlgrenska 2, Sahlgrenska 3***

* Cell line withdrawn by donor.

Cellartis may have sublines available for shipping. Contact Cellartis for more information about sublines.

■ Table of Cell Characteristics

Contact Information

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Cellartis AB
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SE-413 46 Göteborg
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Fax: +46 (0)31 758 0910
E-mail: christer.silversand@cellartis.se
Web site: <http://www.cellartis.com>

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Arvid Wallgrens Backe 20
SE-413 46 Göteborg
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Phone: +46 (0)31 758 0920
Fax: +46 (0)31 758 0910
E-mail: johan.hyllner@cellartis.se
Web site: <http://www.cellartis.com>

Memorandum of Understanding (59k PDF file; get Adobe Reader)

ES Cell International

Cell Lines

NIH Code: **ES01, ES02, ES03, ES04, ES05, ES06**

Provider's Code: **HES-1, HES-2, HES-3, HES-4, HES-5, HES-6**

ESCI may have sublines available for shipping. Contact ESCI for more information about sublines.

Table of Cell Characteristics

Contact Information

Michael Vovos, IP and Licensing Manager

ES Cell International

41 Science Park Road

04-14/15 The Gemini

Singapore Science Park II

Singapore 117610

Phone: +65-6774-9570

Fax: +65-6774-5077

E-mail: mvovos@escellinternational.com

Web site: <http://www.escellinternational.com>

Memorandum of Understanding (30k PDF file; get Adobe Reader)

Publications

<http://www.escellinternational.com/research/papers.html>

hESC Training

<http://www.escellinternational.com/products/trainingsupport.html>

<http://www.escellinternational.com/products/cellquality.html>

MizMedi Hospital—Seoul National University

Cell Lines

NIH Code: **MI01**

Provider's Code: **Miz-hES1**

MizMedi Hospital may have sublines available for shipping. Contact MizMedi Hospital for more information about sublines.

Table of Cell Characteristics

Contact Information

Hyun Soo Yoon, Ph.D.

Director, Infertility Research Center

MizMedi Hospital

1021-4, Daechi-dong, Kangnam-ku

Seoul 135-280

Korea

Phone: (82) 2 3467 3702

Fax: (82) 2 501-3472

E-mail: stemcellyoon@chol.com

Web site: <http://www.mizmedi.com/MMRC/MMRCmain.htm>

Material Transfer Agreement (28k PDF file; get Adobe Reader)

Technion-Israel Institute of Technology

Cell Lines

NIH Code: **TE03, TE32*, TE33*, TE04, TE06, TE62*, TE07*, TE72***

Provider's Code: **I 3, I 3.2*, I 3.3*, I 4, I 6, I 6.2*, J 3*, J 3.2***

Technion may have sublines available for shipping. Contact Technion for more information about sublines.

* These lines are not yet available for shipping.

Table of Cell Characteristics

Contact Information

Dr. Joseph Itskovitz, M.D., D.Sc.

Rambam Medical Center

Department of OB/GYN

POB 9602

Haifa 31096

Israel

Phone: 972-4-8542536

Fax: 972-4-8542503

E-mail: itskovitz@rambam.health.gov.il

Web site: <http://www.technion.ac.il>

Material Transfer Agreement (80K PDF file; get Adobe Reader)

University of California at San Francisco

Cell Lines

NIH Code: **UC01, UC06**

Provider's Code: **HSF-1, HSF-6**

UCSF may have sublines available for shipping. Contact UCSF for more information about sublines.

Table of Cell Characteristics

Contact Information

Dr. Meri Firpo
Department of Obstetrics and Gynecology
Box 0720
533 Parnassus Street
San Francisco, CA 94143
Phone: 415-476-4733
Fax: 415-476-6145
E-mail: firpo@itsa.ucsf.edu
Web site: <http://escells.ucsf.edu>

Memorandum of Understanding (40k PDF file; get Adobe Reader)
Material Transfer Agreement

hESC Training

<http://escells.ucsf.edu/Training/Trng.asp>

Wisconsin Alumni Research Foundation (WiCell Research Institute)

Cell Lines

NIH Code: **WA01, WA07, WA09, WA13, WA14**

Provider's Code: **H1, H7, H9, H13, H14**

WiCell may have sublines available for shipping. Contact WiCell for more information about sublines.

Table of Cell Characteristics

Contact Information

Tammy Torbleau
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Fax: 608-263-1064
E-mail: info@wicell.org
Web site: <http://www.warf.ws>
Web site: <http://www.wicell.org>

Memorandum of Understanding (22k PDF file; get Adobe Reader)
Technical Information: Protocols & Work Flow

Publications

<http://www.wicell.org/forresearchers/index.jsp?catid=11>

hESC Training

<http://www.wicell.org/learn/>

In your grant applications please use the NIH codes, rather than the providers' codes, to identify the cell lines.

Information about the cell line comes from the provider and has not been independently verified by the NIH.

For any questions about the registry, please e-mail stemcell@mail.nih.gov or call 301-496-2691.

This page was last modified on Monday, November 15, 2004.



National Institutes of Health (NIH)
9000 Rockville Pike
Bethesda, Maryland 20892



Department of Health
and Human Services

FIRSTGOV

Stem Cell Information

The official National Institutes of Health resource for stem cell research

[Home](#) > [Research Topics](#) > [NIH Human Embryonic Stem Cell Registry](#) > Provider: ES Cell International

Provider: ES Cell International

ES Cell International Registered Cell Lines (Australia)

NIH Code	ES01 (HES-1)	ES02 (HES-2)	ES03 (HES-3)	ES04 (HES-4)	ES05 (HES-5)	ES06 (HES-6)
Provider's Code						
Embryo						
Source	IVF Clinic	IVF Clinic	IVF Clinic	IVF Clinic	IVF Clinic	IVF Clinic
Category	Frozen	Frozen	Frozen	Frozen	Frozen	Frozen
IVF Status	Surplus, to be discarded	Surplus, to be discarded	Surplus, to be discarded	Surplus, to be discarded	Surplus, to be discarded	Surplus, to be discarded
Characteristics						
Passage #	TBD	TBD	TBD	TBD	TBD	TBD
Mouse Feeder Cells	Yes	Yes	Yes	Yes	Yes	Yes
Used in Isolation						
Karyotype	46XX	46XX	46XX	46XY	46XY	46XX
Stem Cell Immuno Markers:						
SSEA-1	-	-	-	-	-	NA
SSEA-3	+	+	+	+	+	+
SSEA-4	+	NA	+	+	+	NA
TRA 1-60	+	+	+	+	+	+
TRA 1-81	+	+	+	+	+	+
Oct-4	+	+	+	+	+	+
Alkaline Phosphatase	+	+	+	+	+	+
Gender	Female	Female	Female	Male	Male	Female
Frozen/Thawed:						
Short-Term	Yes	Yes	Yes	Yes	Yes	Yes
Long-Term	Yes	Yes	Yes	Yes	Yes	Yes
Pluripotent	ecto- endo- meso-	ecto- endo- meso-	ecto- endo- meso-	ecto- endo- meso-	ecto- endo- meso-	ecto- endo- meso-
Commercialization						
Available	>100	>100	>100	>100	>100	>100
Price	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000
# Shipped	7	25	53	53	1	8
Total Shipped				147		

TBD = To be Determined; NA = Not Applicable

This cell line meets the criteria for the use of human embryonic stem cells by federally funded researchers.

In your grant applications please use the NIH codes, rather than the providers' codes, to identify the cell lines.

Information about the cell line comes from the provider and has not been independently verified by the NIH.

For any questions about the registry, please e-mail stemcell@mail.nih.gov or call 301-496-2691.

This page was last modified on Thursday, February 10, 2005.



National Institutes of Health (NIH)
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Department of Health
and Human Services

FIRSTGOV

hES CELL CHARACTERISATION TABLE

Last testing conducted: February 2004

(also available as a [PDF](#))

	hES 1		hES 2		hES 3	
Date Derived	September 1997		September 1997		September 2000	
Racial Origin	Chinese		Chinese		Chinese	
Embryos Fresh/Frozen	Frozen		Frozen		Frozen	
Ethics/Patient Consent	A		A		B	
	Latest Test Date / Passage	Result	Latest Test Date / Passage	Result	Latest Test Date / Passage	Result
Karyotype	Dec 03; P89	46XX	Dec 03; P161	46XX	Dec 03; P123	46XX
Mycoplasma	Jan 04; P93	-ve	Jan 04; P166	-ve	Jan 04; P128	-ve
Alkaline Phosphatase	Jan 04; P93	+ve	Jan 04; P165	+ve	Jan 04; P128	+ve
TRA 1-60	Feb 04; P94	+ve	Feb 04; P166	+ve	Feb 04; P129	+ve
TRA 1-81	Feb 04; P94	+ve	Feb 04; P166	+ve	Feb 04; P129	+ve
Oct-4	Feb 04; P94	+ve	Feb 04; P166	+ve	Feb 04; P129	+ve
GCTM-2	Feb 04; P94	+ve	Feb 04; P166	+ve	Feb 04; P129	+ve
Cripto	Mar 04; P85	+ve	Mar 04; P144	+ve	Mar 04; P114	+ve
Genesis	Dec 03; P85	+ve	Dec 03; P144	+ve	Dec 03; P114	+ve
GDF3	Dec 03; P85	+ve	Dec 03; P144	+ve	Dec 03; P114	+ve
Pluripotent (SCID teratomas)	Apr 03; P66	ecto- endo- meso-	Oct 03; P151	ecto- endo- meso-	Apr 03; P105	ecto- endo- meso-

* Ethics/ Patient Consent

A - Stem cells derived from embryos donated by couples having IVF treatment. Consent form signed agreeing to donate embryos to research. No financial inducements.

B - Stem cells derived from embryo donated by couples having IVF treatment and completely in compliance with NIH Guidelines of Nov 2000 (www.nih.gov/news/stemcell/stemcellguidelines).

Testing

- Cripto, Genesis, and GDF3 marker expression testing conducted using RT-PCR
- Alkaline Phosphatase, TRA 1-60, TRA 1-81, Oct-4**, and GCTM-2 marker expression testing conducted using immunohistochemistry

** Oct-4 testing conducted using RT-PCR on hES 4

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